

LEARN & ACT

Conservation of Biodiversity



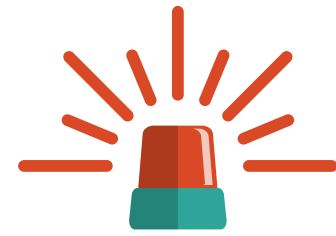
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Who killed all the **elephants?**
Red List of Death,
35,500 Endangered Species



**The 6th mass extinction
is already underway!**

What is extinction?

Extinction means the loss of one type of organism from an ecosystem.

What is a mass extinction?

Mass extinction is the extinction of more than **70%** of all species on Earth.



Disappearance of dinosaurs and the next 6th mass extinction
Destruction of nature by humans.

What is biodiversity?

‘The total variety of organisms on Earth’

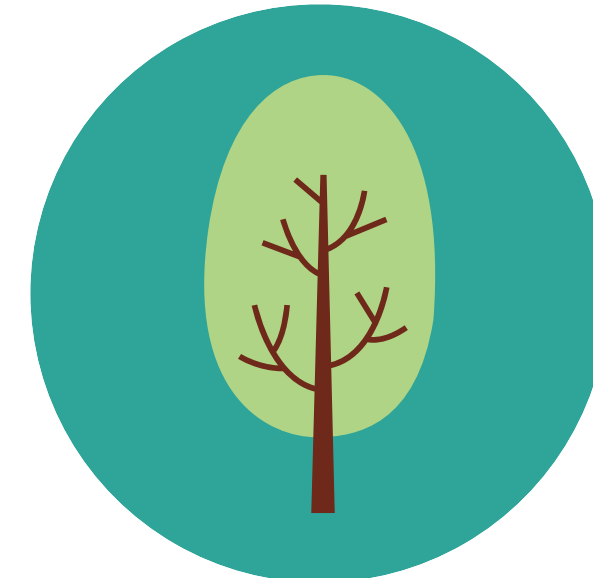
The three elements of biodiversity



Species Diversity



Genetic diversity

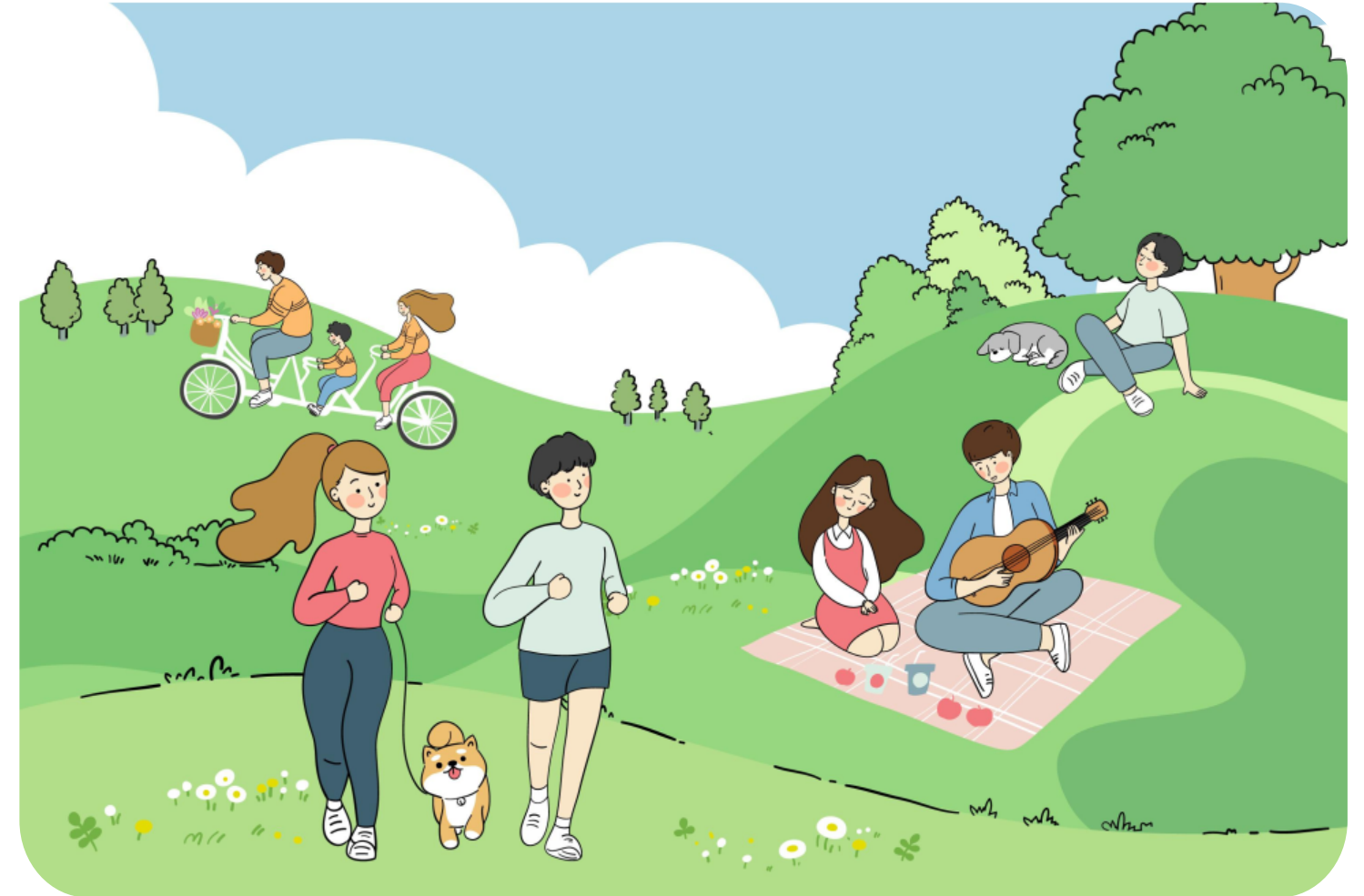


Ecosystem Diversity

02. Why is biodiversity important?



Ensures the safety
of the ecosystem

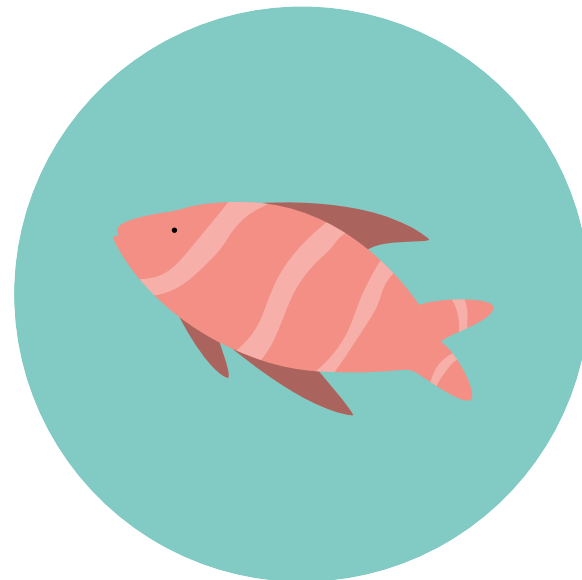


Provides abundant
resources and spiritual
abundance to mankind

Extinction of plants and animals



Large mammals



Sea animals



Amphibians



Coniferous forests

- H** Habitat
- I** Invasion
- P** Pollution
- P** Population
- O** Overexploitation





05. Most important factors for biodiversity recovery

- Continuous ‘investigation of biodistribution and habitat environment’
- Continuous protection of ‘rare species’ and ‘endangered species’
- Enactment and enforcement of ‘laws’ for the protection of species

06. Ecological space to focus on for biodiversity conservation



1

TROPICAL FORESTS

The most biodiversity-rich place in the world

2

GRASSLANDS

Occupy 20-40% of the Earth's land and provide habitat for herbivores

06. Ecological space to focus on for biodiversity conservation

3

SEA

Biggest habitat for organisms, occupying 70%
of the earth's surface

06. Ecological space to focus on for biodiversity conservation

4

WETLANDS

Provides habitat to 40% of all organisms on earth

| 1. Conventions

- 1) Convention on Biological Diversity (CBD)
- 2) Biosphere Reserve
- 3) Convention on International Trade in Endangered Species of Wild Flora and Fauna (CITES)
- 4) The Ramsar Convention to Protect Wetlands



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07. Efforts of the international community to conserve biodiversity

| 2. Campaigns

- 1) International Day for Biological Diversity
- 2) Global Village 60 Minutes Off Lights, Earth Hour Campaign, WWF



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07. Efforts of the international community to conserve biodiversity

| 3. International organizations and associations

1) Information on all living things in the world, World Biodiversity Information Organization (GBIF)

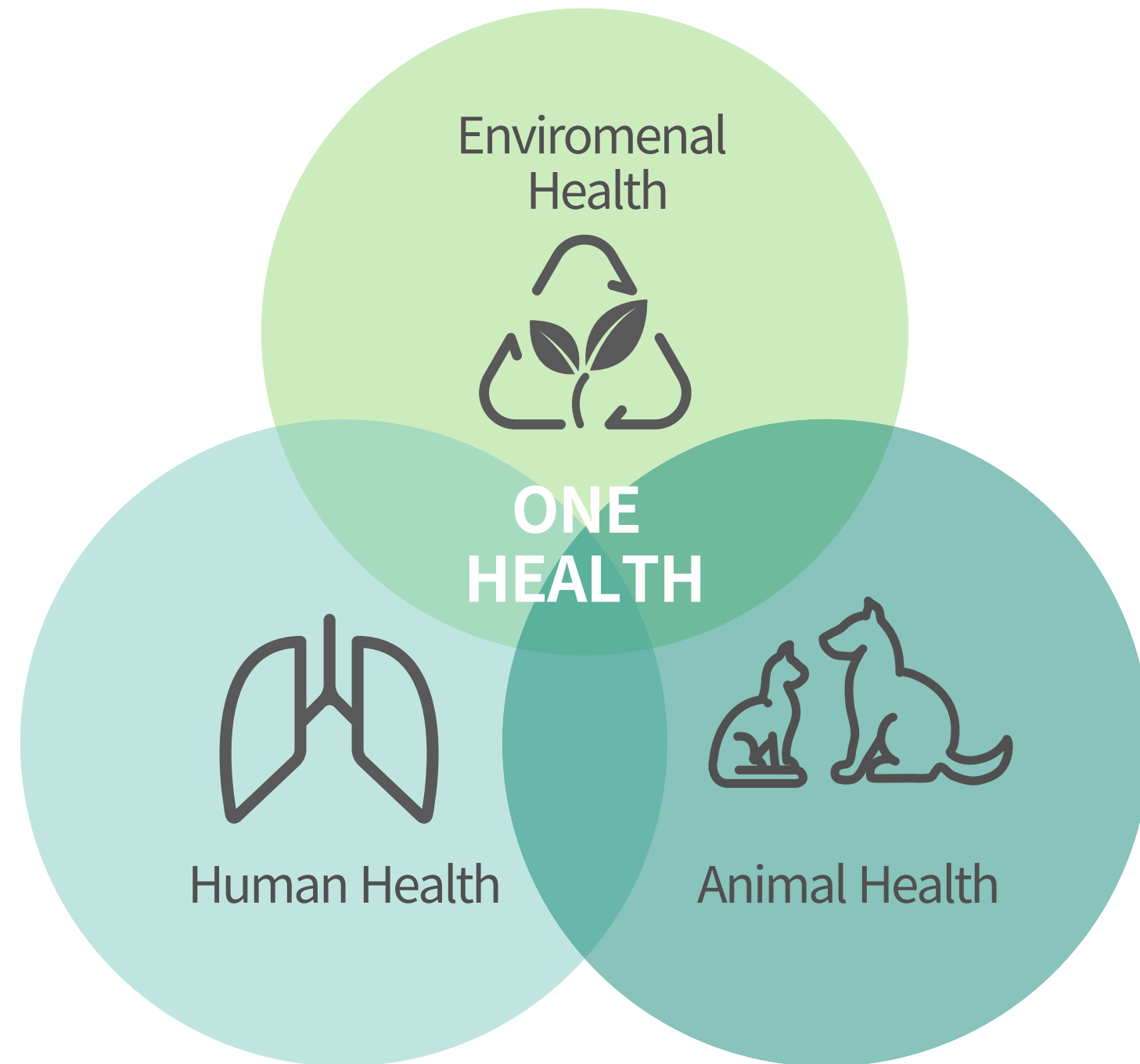
<https://www.gbif.org/>

2) Save Endangered Species, World Wildlife Fund (WWF)

<https://www.worldwildlife.org/>



©WWF



| COVID-19 is a red card from nature

'One Health' approach of the World Health Organization (WHO)

Pursues active cooperation and strategy establishment for 'human health, animal health, and environmental health'



**What can we do to help protect
global biodiversity?**

 Why is biodiversity so important?



https://youtu.be/GK_vRtHJZu4

 **Coronavirus**
- A message from nature



<https://youtu.be/2rr7u04m5Nc>



THANK YOU